

MD 190 IS ASSUMED TO RUN  
IN AN EAST-WEST DIRECTION

VIDEO  
DETECTION  
ZONE

EXISTING VIDEO  
DETECTION CAMERA

a, b, c, d



EXISTING  
SIGNAL HEADS  
TO REMAIN

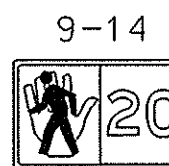
5-8

R

Y

G

12"



16"

EXISTING SIGNALS  
TO BE RELOCATED

1-4

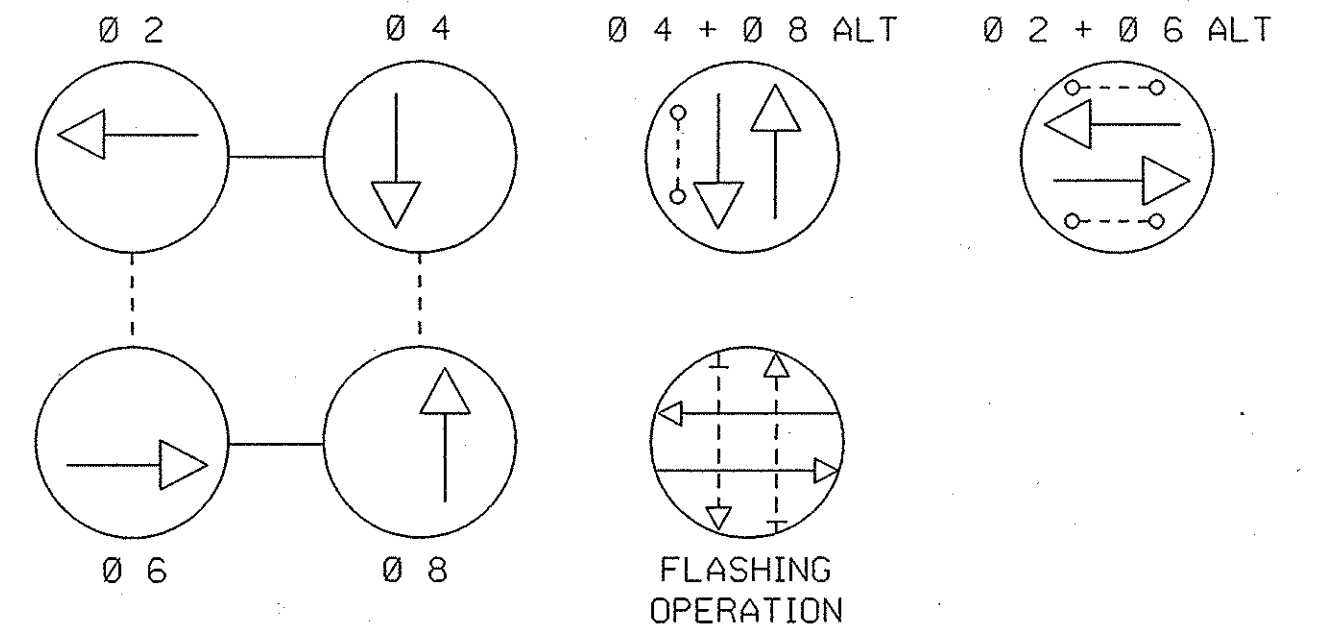
R

Y

G

12"

NEMA PHASING



PHASING NOTES:

- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
- PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

UNITED STATES  
POST OFFICE

TELEPHONE 15'-9"  
TELEPHONE 16'-9"  
TELEPHONE 17'-6"  
GUY WIRE 19'-2"  
TELEPHONE 20'-11"  
CABLE 22'-5"  
SECONDARY 23'-1"  
TWISTED PRIMARY 38'-4"

TELEPHONE 17'-10"  
TELEPHONE 19'-0"  
BOTTOM ARM 21'-4"  
TOP ARM 21'-10"  
FIBER OPTIC 22'-3"  
SECONDARY 26'-3"

GENERAL NOTE

- VERIFY PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.

CONSTRUCTION DETAILS

- RELOCATE EXISTING SIGNAL HEADS ON MAST ARM AS NOTED AND ADJUST VIDEO DETECTION CAMERA FOR DETECTION ON MD 190. ADJUSTING OF VIDEO DETECTION CAMERA WILL NOT BE MEASURED AND PAID BUT WILL BE INCIDENTAL TO OTHER PERTINENT ITEMS IN THE CONTRACT.
- INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (CROSSWALK).
- INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE)

LEGEND OF UNDERGROUND  
AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	SS
STORM DRAIN	SD
WATER	W
CABLE TV	TV

**WR&A**

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REVISIONS	APPROVALS
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	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY



MD 190 AND GIANT SHOPPING CENTER

DRAWN BY: T. SPECCA	F.A.P. NO.	TS NO.	SHEET NO.
CHECKED BY: T. SPECCA	S.H.A. NO.	TS-2697B	
SCALE: 1" = 20'	COUNTY: MONTGOMERY	T.L.M.S. NO.	
DATE: 5-1-1990	LOG MILE: 15019008.19	H.106	47 OF 51